BRAVO® STRIPPER
Operating Manual

Read before use and keep safe

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- **Technical data/technical description**

Power supply	120 AC, 20A
Power consumption	2000W with current limitor
Power motor drive	400W
Number of strokes	8500 strokes/min
Sound pressure level	88 dB(A)
Sound energy level	101 dB(A)
Hand/Arm-Vibration	16 m/s2
Weight	145 lbs (includes additional weight)
Comes with	Bravo Stripper, 2 rigid blades, safety goggles and tool kit.

2.0 Safety

The Sinclair Bravo® Stripper has Class 2 protective insulation. It meets the following safety specifications:

DIN VDE 0740, CENELEC HD 400,
IEC 745, VBG 7j (National spec)

The machine has radio interference suppression to the standards

76/889/EWG, 87/308EWG
EN 55014

- **Safety Instructions**

Disconnect the power supply before any maintenance is carried out.

Use only recommended blades and ensure it is sharp before starting.

Maintenance should be undertaken only by qualified personnel. Use only genuine Sinclair spare parts.

Always remove the blade before transporting the machine.

CAUTION!!! Always wear ear and eye protectors! CAUTION!!!
Using this machine without ear and eye protectors may jeopardize or harm your health. It may harm especially your ears and increase the risk of an accident.

PLEASE READ DETAILED SAFETY INSTRUCTIONS ON COLORED SHEET BEFORE USING MACHINE!

- **Introduction**

This operating manual should be used to get the most benefit from your Bravo® Stripper. Following these instructions will both extend the life of your machine and reduce repair costs.

Please make sure you are fully familiar with the operating instructions before using this machine.

- **Danger while working with the machine**

The Bravo® Stripper is designed to the highest technical standards.
Incorrect use can be dangerous!
Use this machine only:

- As instructed in this operating manual
- With the machine in perfect working order

Disturbances that could impair safety, have to be eliminated at once.

- **Restriction of use**

The Bravo® Stripper is exclusively for removing bonded floor covering in dry environments. It should not be used for any other purpose. Sinclair Equipment Company cannot be held responsible for any damage or loss caused by incorrect use.
Correct use also includes:

- To follow all directions from the operating manual and
- The execution of maintenance and service.

- **Genuine Spare Parts**

Spare parts and accessories are manufactured uniquely for the Bravo® Stripper. It must be emphasized that parts obtained from unauthorized sources must not be used.

Sinclair Equipment Company cannot be held responsible for the performance of or any damage arising from the use of machines in which genuine spare parts have not been used.

This is particularly important with replacement blades.

- **Maintenance**

The Bravo® Stripper is virtually maintenance free.

Check brushes periodically to prevent damage to armature.
Changing the blade
Disconnect the power supply before changing the blade. Use work gloves for your own safety.

- Put on the blade protection (enclosed in the tools set)

Warning! Very sharp blade! You may cause injury without using the blade protection!

- Clean and loosen the screws of the blade mounting.

Attention! Set the wrench at a position opposite to the blade to avoid injury.

- Replace the blade.

Make sure that the sharp bevel of the blade always faces upwards and the blade fits in exactly the position of the old one.

5.0 Use

Assembling the machine
Mount the handle with the thumb screw to the housing. To assemble the clutch, just press the socket joint onto the clutch lever at the machine housing.

For your safety the Bravo® Stripper comes with the blade not mounted. Make sure that the power supply is disconnected before mounting the blade. The sharp bevel of the blade must always face up and the blade must sit close to its support.
See also Chapter 4.0 Maintenance, “Changing the blade”.

Operation panel

Operate the Bravo Stripper at the operating panel on top of the handle assy.

- switch (1) actuates the blade movement
- switch (2) actuates the motor drive
- knob (3) controls the speed in the range of 5 to 20 m/min

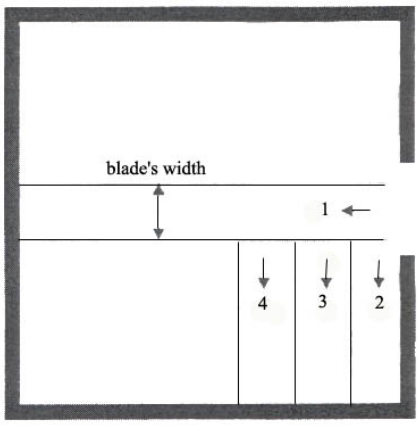
In operation, engage the motor drive with the hand clutch, and not with switch (2)

Starting
The Bravo® Stripper is equipped with 2 operating switches located at the operating panel.

Use continued

The Bravo® -Stripper removes bonded, flexible floor covering in strips. It uses an oscillating system, i.e. the blade performs a circular movement. This movement results in a lateral cutting. This could make the stripper swing sideways if you want to remove stiff flooring or aggressive adhesive. In this case using the device may be limited due to its system.

Before starting work, the flooring needs to be cut into strips of the blade's width. To begin, cut one strip crosswise. Then lift the flooring slightly in order to get the blade underneath it. We recommend to cut the first strip at right angles to the main working direction. By so doing access to the next strips is made easier.



Cut the strips smaller if the floor covering is bonded very securely, e.g. with an epoxy adhesive.
The blades are sharpened by the floor pavement. Therefore the blade has to be changed only if it is twisted or becomes worn.

- **Hand clutch**

The hand clutch is located in front of the handle of the machine. Engage the motor drive by pushing the clutch forward/down. By pulling the clutch upwards the Bravo® Stripper stops.

Note: do not run the machine for a long while (e.g. during a break) with the motor drive switched on and the clutch disengaged.

Note: after changing the inclination of the handle, it may be necessary to readjust the handle attachment of the clutch. See also Chapter 5.4 "Adjusting the handle".

- **Setting the speed**

To adapt the Bravo® Stripper to different flooring, adjust the speed. The optimum speed depends on the type of flooring, the adhesive and the ambient temperature. Therefore, generally valid statements cannot be given.

Note: if the blade jumps on top of the flooring, reduce the speed.

5.3 Adjusting the angle of the blade

The angle of the blade can be adjusted in 3 positions.

- Remove screw (1) at both sides of the machine

- Adjust the angle and tighten the screws in the
- appropriate thread

Optimum angle of the blade

The optimum angle of the blade depends on the type of flooring, the adhesive and the subfloor. Due to the variety of working conditions generally valid statements cannot be given.

Note: if the blade jumps on top of the flooring, set the angle steeper. Set the angle flat with soft subfloors like particleboards or wood. Otherwise you might deteriorate the subfloor.

- **Adjusting the handle**

You can adjust the handle in many different ways.

a. The upper bar of the handle can be **moved sideways.** This allows you to work along walls. To adjust the handle, loosen the thumb screw on top of the handle and move the bar sideways.

b. The **inclination of the handle** can be adjusted to adapt the machine to the stature of the operator.

To adjust the inclination, loosen the thumb screw at the foot of the handle.
Note: after changing the inclination of the handle, it may be necessary to readjust the handle attachment of the clutch. The clutch lever at the motor housing must always be moveable to both end positions. If not:

- loosen the thumb screw of the handle attachment of the clutch
- move the attachment up or down

- **Additional weight**

The weight of the Bravo® Stripper is as low as possible for easy handling and transport. To be able to work efficiently, the machine comes with an additional weight. Set the additional weight onto the front part of the machine until it locks at the collateral bolt heads.

- **Information about various floorings**

Main applications of the Bravo® Stripper are carpets with foam backing, CV-floorings, PVC-floorings and light carpets.

CV-floorings, PVC-floorings and carpets without foam backing
Cut strips according to the blade width. Check from time to time if the blade is straight.

Carpets with foam backing
Use sharp blades only! Remove upper layer with carpet clamp. Remove the foam backing with the stripper. Remove foam across the width if you have an uneven sub-floor.

Semi-flexible tiles
These tiles can be removed without pre-cutting, if they are not bonded extremely tight.

- **Trouble shooting**

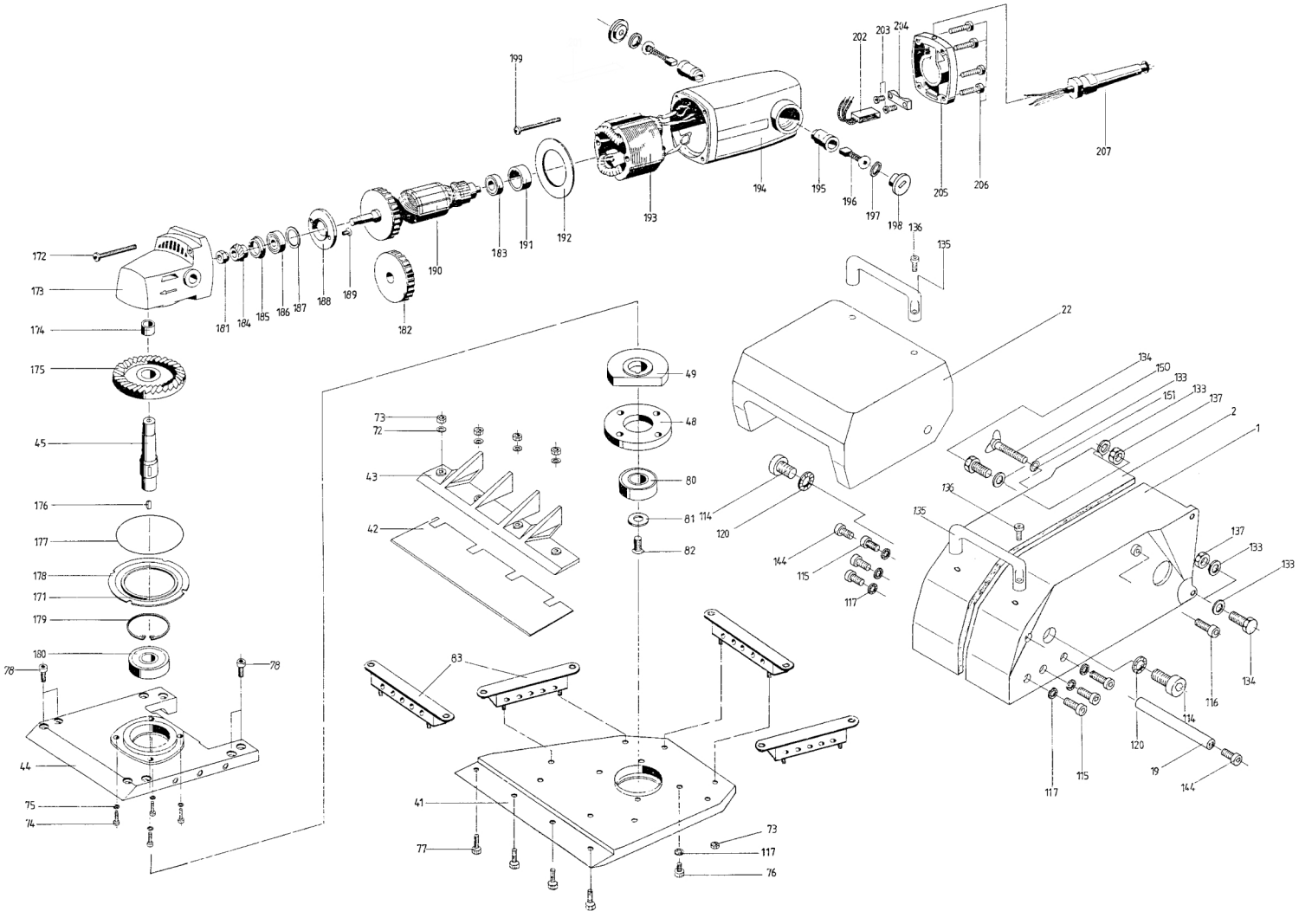
Trouble	Eventual cause	Elimination
Machine does not start	- Power supply disconnected - blown fuse - defective cable - defective plug	Have machine repaired by a qualified electrician, resp. change parts
Undue force necessary to strip the flooring	Blade is blunt	Change blades
Excessive vibration	Expendable parts are worn out	Return machine for service and/or repair.

Schematic #	Pcs	Description	Part #
1	1	Housing Left	BR016965
2	1	Housing Right	BR016966
3 & 4	1	BR # 3 & # 4 Housing (Set)	BR02104754
5	1	Bearing Flange, left	BR017346
6	1	Bearing Flange, right	BR015067
7	1	Pressure Washer	BR015068
8	2	Clutch Disc	BR015069
9	1	Driving Axle	BR015070
10	1	Chain Wheel Axle 6/7	BR015010
11	1	Chain Wheel no.1	BR015071
12	1	Chain Wheel axle 4/5	BR015009
13	1	Chain Wheel no. 1	BR015072
14	1	Chain Wheel axle 2/3	BR015008
15	1	Linkage, 35 pc (no master link)	BR014949
16	1	Linkage, 53 pc (no master link)	BR014950
17	2	Linkage, 41 pc (no master link)	BR014948
18	1	Chain Wheel Washer no. 8	BR015045
19	1	Distance axle	BR019958
20	1	Gear Plate	BR015075
21	3	Spacer	BR015083
22	1	Additional Weight	BR017081
23	1	Bearing Race	BR015076
24	2	Cylindrical Screw M8x25	T014734
25	1	Adjustment Nut	BR015085
26	1	Bushing	BR015086
27	1	Handle Bracket	T015378
28	1	Driving Plate	BR015004
29	1	Distance axle, long	BR015079
30	2	Cylindrical screw M8x40	T014738
31	1	Clutch Lever	BR015080
32	1	Clutch Bar	BR015081
33	1	Clamping Profile	T015423
34	2	Starting Washer	BR015082
35	1	Steel Handle with Grips	T074850190A
36	1	Silver handle	T015426
37	1	Cable hanger	T015427
38	1	Handle connector	T015051
39	1	Cable Cover	T015123
41	1	Striker foot casting	D015221
42	1	Blade (See catalog for size)	
43	1	Blade Holder	D015223
44	1	Bearing Plate	BR015077
45	1	Drive Shaft	D015228
46	2	Screw M4x20	BR014692
47	1	Cover of motor	BR015411
48	1	Locking flange	D015233
49	1	Counter balance weight	D015225
50	2	Push button	BR014921
51	2	Tread pin M8x35	BR014790
52	3	Safety washer A15	BR018101
53	1	Safety washer A12	BR014849
54	1	Motor Metabo (Drive Motor)	BR015017
55	1	Switch cover, big	T074850160

56	1	Switch plate, big	T015428
57	4	Oval head screw M4x12	D014804
58	2	Built-in switch	T021501
59	2	Cylindrical screw M8x20	T014734
60	1	Flat connecting block	T015431
61	2	Hexagon nut M8	T014813
62	6	Washer M8	BR014828
63	2	On/Off Switch	T021501
65	2	Hexagon screw M8x30	BR017060
67	1	Power Cord Long	T014970
70	2	Screw connection	T014992
72	4	Washer M6	D014827
73	12	El. Stop nut M6	D014815
74	4	Cylindrical screw M5x25	T014750
75	4	Washer M5	T014858
76	4	Cyl screw M6x14	D014751
77	4	Hexagon screw M6x22	D00912415B
78	8	Cyl screw M6x20	D014752
80	1	Ball bearing 3304	D014674
81	1	Washer M12	D014830
82	1	Counter sink screw M8x20	T014760
83	4	Rubber bearing	D014931
86	4	Cyl. Screw M4X8	T017638
87	2	Distance washer, 6mm	BR015074
88	6	Ball bearing 6002 2RS	BR014702
89	6	Safety washer / 32	BR014854
90	2	Distance washer, 5mm	BR015073
100	2	Wheel pin, 4,5	T014888
101	2	Washer 16mm	BR014831
102	2	Drive Wheel	T015135
103	2	Snap ring	BR014851
104	2	Adjusting washer	BR014841
105	2	Flange sleeve 2016	BR014908
106	1	Tread pin M4x8	BR018207
107	4	Cyl. Screw M6x30	BR017678
108	2	Cyl. Screw M8x25	T014734
109	6	Cyl. Screw M8x30	T014735
110	1	Hexagon screw M8x35	BR018158
111	4	Cyl. Screw M6x12	BR014726
112	3	Cyl. Screw M8x40	T014738
113	1	Cyl. Screw M8x35	T018158
114	2	Cyl. Screw M14x30	BR014746
115	8	Cyl. Screw M6x20, micro	D014752
116	1	Cyl. Screw M10x16	BR014740
117	18	Safety washer M6	D014859
118	15	Safety washer M8	D014860
120	2	Safety washer M14	D014863
121	2	Spring washer 60x25,4x2.5	BR014884
122	1	Bushing 2012	BR014906
123	1	Bushing 2015	BR014907
124	2	Felt ring	BR014928
125	2	Thrust ball bearing 51106	BR014708
126	4	Roll body 8 x 12	BR018762
127	1	Nut Key 6x6x25	T014903

128	2	Nut Key 5x5x32	T014902
129	1	Nut key 4x4x18	BR014900
131	1	Pin screw M10x60	T014788
132	2	Hexagon nut M8	T014813
133	4	Washer 10mm	T014829
134	2	Hexagon nut M10x45	BR014778
135	3	Bow-type handle 116mm	T014917
136	6	Cyl screw M6x20	D014752
137	2	El. Stop nut M10	BR014817
139	1	Locknut M10	T014820
141	1	Indicator Light	T014984
142	1	Control unit 110V	BR018643
144	8	Cyl screw M6x20	D014752
145	3	Domed cap nut M8	BR014825
146	4	Spring washer 16x8,2x0,9	BR014883
148	2	Angle joint	BR014942
149	4	El. Stop Nut M8	D014816
150	1	Wing screw M10x50	BR014794
151	1	Spring washer M10	BR014844
160	1	Built-on housing	BR014690
161	1	Pinhole	BR014691
162	1	Bushing hole	BR014689
171	1	Shaft seal	D014847
172	4	Cyl screw M5x45	D015191
173	1	Gear block housing	D015189
174	1	Needle bearing HK 1512	D015190
175	1	Gear ring	D015234
176	1	Woodruff key 5 x 5	D014905
177	1	O ring	D015218
178	1	Distance ring	D015217
179	1	Safety ring /52	D014857
180	1	Ball bearing 6304	D014711
181	1	Hexagon nut M10x45	D015192
182	1	Fan	D015216
183	1	Ball bearing 6001 2RSC3	D014701
184	1	Pinion	D015193
185	1	Sealing bushing	D015194
186	1	Ball bearing 6202	D014709
187	1	Sealing ring	D015195
188	1	Cover	D015196
189	2	Counter Sunk Screw 5x16	D015197
190	1	Armature	D015237
191	1	Bearing Ring	D015199
192	1	Air guide	D015200
193	1	Magnetic Field Coil 110V	D015238
194	1	Motor Case 115V	D015203
195	2	Carbon Brush Holder 115V	D015205
196	2	Carbon Brush	D017295
197	2	Sealing Ring	BR014911
198	2	Brush Cap	D015207

		PARTS NOT PICTURED	
		Tool Kit	BR015011
		Master Chain Link 1/4”	BR04B-1
		Master Chain Link 3/8”	BRRF06B1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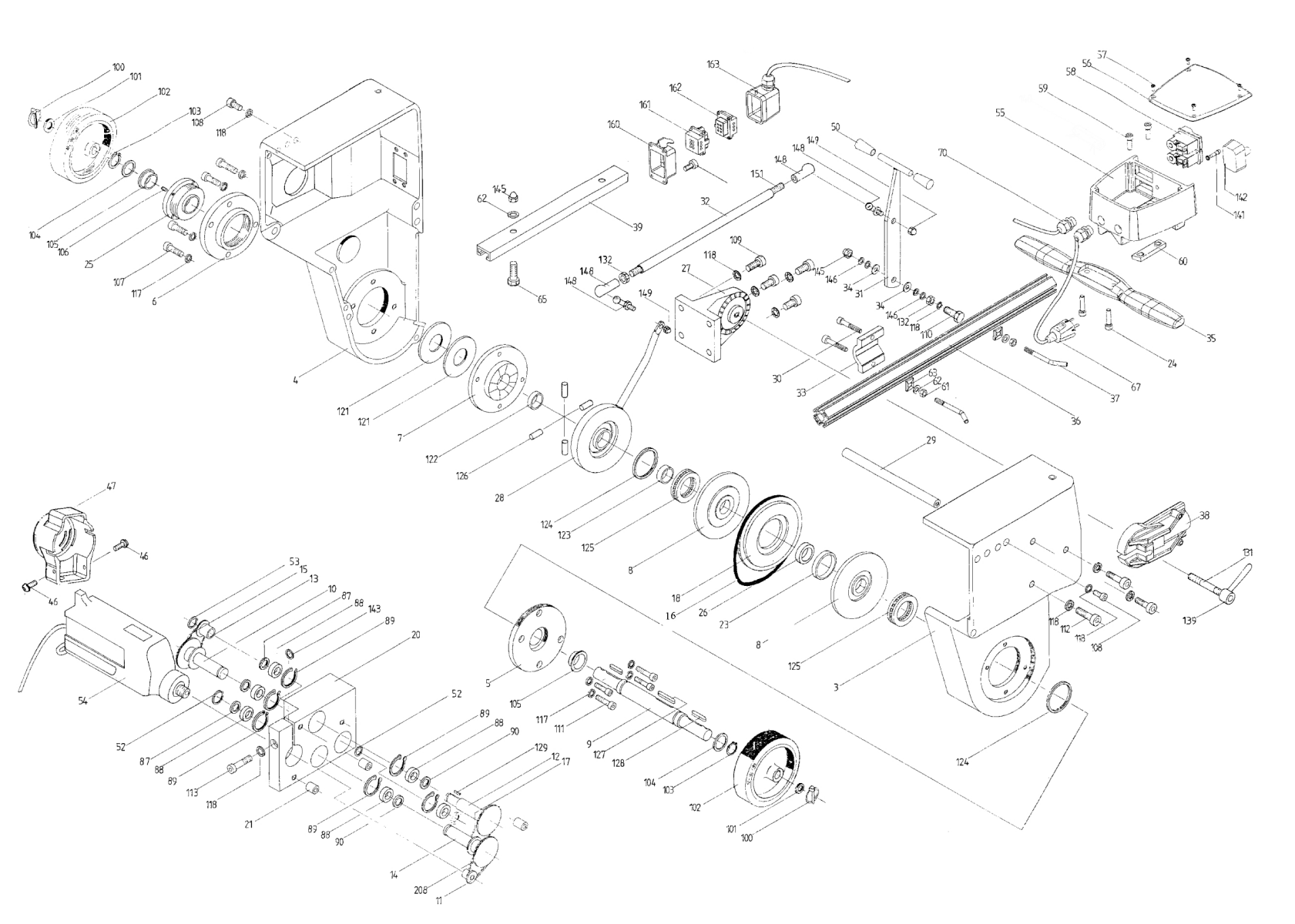
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TURBO, EXTRO, SUPER, BRAVO, DURO & ECO STRIPPER SUGGESTED BLADE SELECTION

BRAVO/DURO/ECO STRIPPER

#10-4906 8"Rigid. Our standard blade for removal of vinyl, carpet, adhesive, etc. Bevel edge of blade should be up for concrete and down for wood sub-surfaces. Precutting of carpet and vinyl needed.

#10-4904 8"Flexible. Same as above, yet for uneven concrete surfaces and some soft foam back carpet.

#10-4907T 8"Tile Blade. For use on VAT and VCT tile. Prevents tile from jamming in between blade and blade holder. A must for tile removal to protect blade holder.

#10-4909 8"Razor Blade Attachment. An adapter to secure razor blades for removal of adhesives, paints and thin films. Inexpensive and an excellent choice for complete clean up after floorcovering removal.

#10-4903 8"X 5"Rigid. Ideal for hard to reach areas such as toe kicks, under radiators, etc. Also used for clean up of small areas of parquet, ceramic, etc.

#10-4906D 8"X 2.5"Rigid Self Dicing. For use on carpet, rubber or vinyl. A real time saver, on pre-cutting necessary since blade will cut strips with knife edged sides.

TURBO/EXTRO/SUPER STRIPPER

***Super Stripper uses 12" Blades Only**

#10-4801D 14"Self-Dicing Blade. For use on carpet, rubber or vinyl. A real time saver, on pre-cutting necessary since blade will cut strips with knife edged sides.

#10-4651T 12"Tile Blade. For use on VAT and VCT tile. Prevents tile from jamming in between blade and blade holder. A must for tile removal to protect blade holder.

#10-4807 14"X 5"Ceramic/Parquet Blade. Ideal for removal for ceramic tile, marble, parquet, and other wood floors. Precutting needed for plank floors.

#10-4809 Special Ceramic/Parquet Blade. This ¼" thick heavy duty blade is designed especially for the ceramic tile and hardwood/parquet removal applications. The 14" wide blade extends out nearly 4" and is designed at a specific angle to work more efficiently in cutting and lifting of thick materials. Best suited for the long run, constant use in tile/wood applications for extended life and performance.

#10-4802 14"Rigid, #10-4652 12"Rigid. The standard blade for carpet, vinyl or adhesive removal, pre-cutting of the floor is needed.

#10-4804 6"Rigid, #10-4803 8"Rigid. Use these blades for difficult removal like, epoxy, rubber floors, sport surfaces, etc. Always position these blades to far left hand side of machine.

NOTE: All jobs can vary in difficulty of removal. Whatever blade you are using it may be necessary to take a smaller bite in removal so it is less stressful on the operator as well as the machine. If you have any questions on blade selection or choice of machine, please do not hesitate to call Sinclair Equipment Company or your nearest distributor.

STANDARD WARRANTY

SINCLAIR EQUIPMENT COMPANY'S tools are warranted to be free of defects in workmanship and materials for a period of one year from the date of original purchase. Should any trouble develop during this one year period, return the complete tool, freight prepaid, to SINCLAIR'S authorized Service Center. If inspection shows the trouble is caused by defective workmanship or materials, SINCLAIR EQUIPMENT COMPANY will repair, or, at its option, replace without charge.

- This warranty does not apply to malfunctions caused by damage, unreasonable use, faulty repairs made by others, or failure to provide recommended maintenance.

- The warranty is void if the original consumer purchaser alters the product, or if it is used in a manner not recommended by the manufacturer.

- The warranties do not cover consequential damages or transportation charges incurred with the replacement or repair of SINCLAIR EQUIPMENT COMPANY products.

- Not responsible for lost job or down time.

In no event shall SINCLAIR be liable for any indirect, incidental, or consequential damages from the sale or use of the product. This disclaimer applies both during and after the term of this warranty.

SINCLAIR EQUIPMENT COMPANY disclaims liability for any implied warranties, including implied warranties of "merchantability" and "fitness for a specific purpose", after the one-year term of this warranty.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. Should you have any questions, contact SINCLAIR EQUIPMENT COMPANY at (530) 626-9386.

To obtain warranty service, deliver or send the complete tool, prepaid, to SINCLAIR EQUIPMENT COMPANY. Be sure to include the following information:

- Nature of failure;
- Name and address of distributor where tool was purchased;
- Application of tool when rendered defective; and
- Proof of purchase.

To obtain individual repair parts, contact SINCLAIR EQUIPMENT COMPANY with the following information:

- Tool model number;
- Item part number; and description of part.

NOTES